

AMENDMENTS TO THE CLAIMS

1-15. (Canceled).

16. (Currently amended): A folding electric device comprising:

an upper unit;

a lower unit;

a connecting member that electrically connects said upper unit to said lower unit; and

a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

a perpendicular opening and closing shaft to perpendicularly open and close said upper unit with respect to said lower unit; and

a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper unit with respect to said lower unit,

wherein said upper unit comprises:

a first engagement portion having said perpendicular opening and closing shaft inserted therein; and

a second engagement portion having said connecting member arranged therein; and

first and second brackets which are fixed to the horizontal rotation shaft,

wherein the first brackets supports the perpendicular opening and closing shaft,

the connecting member is inserted into the second bracket, and

said connecting member is inserted into said second engagement portion but not into said first engagement portion.

17. (Previously presented): The folding electric device as claimed in claim 16, wherein said horizontal rotation shaft is connected to said lower unit vertically to a surface of said lower unit.

18. (Previously presented): The folding electric device as claimed in claim 16, wherein said horizontal rotation shaft is located between said first and second engagement portions.

19. (Previously presented): The folding electric device as claimed in claim 16, wherein said first engagement portion and second engagement portion are formed separately from each other.

20. (Canceled).

21. (Previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is wound around said horizontal rotation shaft.

22. (Previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is a winding flexible board.

23. (Previously presented): The folding electric device as claimed in claim 22, further comprising an operation input section, mounted on said hinge and electrically connected to said winding flexible board so that a user can operate said operation input section when said folding electric device is in a folded state.

24. (Previously presented): The folding electric device as claimed in claim 16, wherein said folding electric device is a folding mobile phone.

25. (Previously presented): The folding electric device as claimed in claim 16, further comprising a display arranged on said upper unit.

26. (Previously presented): The folding electric device as claimed in claim 16, further comprising input keys arranged on said lower unit.

27-33. (Canceled).

34. (Previously presented): The folding electric device as claimed in claim 22, further comprising a bobbin, arranged between said horizontal rotation shaft and said base, for winding said winding flexible board around said horizontal rotation shaft.

35. (Previously presented): The folding electric device as claimed in claim 22, further comprising flexible board fixing member for fixing said flexible board to said hinge.

36-39. (Canceled).

40. (Currently amended): A folding electric device comprising:

an upper unit;

a lower unit;

a connecting member that electrically connects said upper unit to said lower unit; and

a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

a perpendicular opening and closing shaft to perpendicularly open and close said upper unit with respect to said lower unit; and

a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper unit with respect to said lower unit,

wherein said upper unit comprises:

a first engagement portion having said perpendicular opening and closing shaft inserted therein; and

a second engagement portion having said connecting member arranged therein, further comprising:

first and second brackets which are fixed to the horizontal rotation shaft, wherein

the first bracket supports the perpendicular opening and closing shaft,

the connecting member is inserted into the second bracket, and

a part of the second bracket engages with the second engagement portion.

41. (Previously presented): A folding electric device comprising:

- an upper unit;
- a lower unit;
- a connecting member that electrically connects said upper unit to said lower unit; and
- a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

- a perpendicular opening and closing shaft to perpendicularly open and close said upper unit with respect to said lower unit; and
- a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper unit with respect to said lower unit,

wherein said upper unit comprises:

- a first engagement portion having said perpendicular opening and closing shaft inserted therein,

wherein the connecting member is wound in a space on an extension line of one end side of the perpendicular opening and closing shaft.

42. (Previously presented): The folding electric device as claimed in claim 41, wherein said horizontal rotation shaft is connected to said lower unit vertically to a surface of said lower unit.

43. (Previously presented): The folding electric device as claimed in claim 41, wherein said horizontal rotation shaft is located between said first and second engagement portions.

44. (Previously presented): The folding electric device as claimed in claim 41, wherein said first engagement portion and second engagement portion are formed separately from each other.

45. (Previously presented): The folding electric device as claimed in claim 41, wherein said connecting member is wound around said horizontal rotation shaft.

46. (Previously presented): The folding electric device as claimed in claim 41, wherein said connecting member is a winding flexible board.

47. (Previously presented): The folding electric device as claimed in claim 46, further comprising an operation input section, mounted on said hinge and electrically connected to said winding flexible board so that a user can operate said operation input section when said folding electric device is in a folded state.

48. (Previously presented): The folding electric device as claimed in claim 41, wherein said folding electric device is a folding mobile phone.

49. (Previously presented): The folding electric device as claimed in claim 41, further comprising a display arranged on said upper unit.

50. (Previously presented): The folding electric device as claimed in claim 41, further comprising input keys arranged on said lower unit.

51. (Previously presented): The folding electric device as claimed in claim 46, further comprising a bobbin, arranged between said horizontal rotation shaft and said base, for winding said winding flexible board around said horizontal rotation shaft.

52. (Previously presented): The folding electric device as claimed in claim 46, further comprising flexible board fixing member for fixing said flexible board to said hinge.

53. (New): The folding electric device as claimed in claim 16, wherein the first bracket is fixed on a first side of the horizontal rotation shaft in a direction of the perpendicular opening and closing shaft, and

the second bracket is fixed on a second side of the horizontal rotation shaft opposite to the first side.

54. (New): The folding electric device as claimed in claim 40, wherein the first bracket is fixed on a first side of the horizontal rotation shaft in a direction of the perpendicular opening and closing shaft, and

the second bracket is fixed on a second side of the horizontal rotation shaft opposite to the first side.